

#5/108
4/18/01

BATCH

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/622,522

DATE: 03/29/2001

TIME: 10:27:00

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\03292001\I622522.raw

ENTERED

3 <110> APPLICANT: Kato, Seishi
 4 Sekine, Shingo
 5 Kimura, Tomoko
 6 Nakamura, Nobuko
 8 <120> TITLE OF INVENTION: HUMAN PROTEINS HAVING TRANSMEMBRANE DOMAINS AND CDNAS
 9 ENCODING THESE PROTEINS
 11 <130> FILE REFERENCE: GIN-6714CPUS
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/622,522
 C--> 14 <141> CURRENT FILING DATE: 2000-12-13
 16 <150> PRIOR APPLICATION NUMBER: JP 10-046607
 17 <151> PRIOR FILING DATE: 1998-02-27
 19 <150> PRIOR APPLICATION NUMBER: PCT/JP99/00875
 20 <151> PRIOR FILING DATE: 1999-02-25
 22 <160> NUMBER OF SEQ ID NOS: 28
 24 <170> SOFTWARE: Windows 95 (Word 98)
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 129
 28 <212> TYPE: PRT
 29 <213> ORGANISM: Homo sapiens
 31 <400> SEQUENCE: 1
 32 Met His Phe Leu Phe Arg Phe Ile Val Phe Phe Tyr Leu Trp Gly Leu
 33 1 5 10 15
 35 Phe Thr Ala Gln Arg Gln Lys Lys Glu Glu Ser Thr Glu Glu Val Lys
 36 20 25 30
 38 Ile Glu Val Leu His Arg Pro Glu Asn Cys Ser Lys Thr Ser Lys Lys
 39 35 40 45
 41 Gly Asp Leu Leu Asn Ala His Tyr Asp Gly Tyr Leu Ala Lys Asp Gly
 42 50 55 60
 44 Ser Lys Phe Tyr Cys Ser Arg Thr Gln Asn Glu Gly His Pro Lys Trp
 45 65 70 75 80
 47 Phe Val Leu Gly Val Gly Gln Val Ile Lys Gly Leu Asp Ile Ala Met
 48 85 90 95
 50 Thr Asp Met Cys Pro Gly Glu Lys Arg Lys Val Val Ile Pro Pro Ser
 51 100 105 110
 53 Phe Ala Tyr Gly Lys Glu Gly Tyr Asp Lys Pro Leu Leu Ala Lys Gly
 54 115 120 125
 55 Ile
 57 <210> SEQ ID NO: 2
 58 <211> LENGTH: 135
 59 <212> TYPE: PRT
 60 <213> ORGANISM: Homo sapiens
 62 <400> SEQUENCE: 2
 63 Met Val Leu Glu Ser Val Ala Arg Ile Val Lys Val Gln Leu Pro Ala
 64 1 5 10 15
 66 Tyr Leu Lys Arg Leu Pro Val Pro Glu Ser Ile Thr Gly Phe Ala Arg
 67 20 25 30
 69 Leu Thr Val Ser Glu Trp Leu Arg Leu Leu Pro Phe Leu Gly Val Leu

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70          35          40          45
72 Ala Leu Leu Gly Tyr Leu Ala Val Arg Pro Phe Leu Pro Lys Lys Lys
73          50          55          60
75 Gln Gln Lys Asp Ser Leu Ile Asn Leu Lys Ile Gln Lys Glu Asn Pro
76 65          70          75          80
78 Lys Val Val Asn Glu Ile Asn Ile Glu Asp Leu Cys Leu Thr Lys Ala
79          85          90          95
81 Ala Tyr Cys Arg Cys Trp Arg Ser Lys Thr Phe Pro Ala Cys Asp Gly
82          100          105          110
84 Ser His Asn Lys His Asn Glu Leu Thr Gly Asp Asn Val Gly Pro Leu
85          115          120          125
87 Ile Leu Lys Lys Lys Glu Val
88          130          135
90 <210> SEQ ID NO: 3
91 <211> LENGTH: 79
92 <212> TYPE: PRT
93 <213> ORGANISM: Homo sapiens
94 <400> SEQUENCE: 3
96 Met Pro Val Ala Val Gly Pro Tyr Gly Gln Ser Gln Pro Ser Cys Phe
97 1          5          10          15
99 Asp Arg Val Lys Met Gly Phe Val Met Gly Cys Ala Val Gly Met Ala
100          20          25          30
102 Ala Gly Ala Leu Phe Gly Thr Phe Ser Cys Leu Arg Ile Gly Met Arg
103          35          40          45
105 Gly Arg Glu Leu Met Gly Gly Ile Gly Lys Thr Met Met Gln Ser Gly
106          50          55          60
108 Gly Thr Phe Gly Thr Phe Met Ala Ile Gly Met Gly Ile Arg Cys
109 65          70          75
111 <210> SEQ ID NO: 4
112 <211> LENGTH: 144
113 <212> TYPE: PRT
114 <213> ORGANISM: Homo sapiens
115 <400> SEQUENCE: 4
117 Met Ala Phe Thr Phe Ala Ala Phe Cys Tyr Met Leu Ala Leu Leu Leu
118 1          5          10          15
120 Thr Ala Ala Leu Ile Phe Phe Ala Ile Trp His Ile Ile Ala Phe Asp
121          20          25          30
123 Glu Leu Lys Thr Asp Tyr Lys Asn Pro Ile Asp Gln Cys Asn Thr Leu
124          35          40          45
126 Asn Pro Leu Val Leu Pro Glu Tyr Leu Ile His Ala Phe Phe Cys Val
127          50          55          60
129 Met Phe Leu Cys Ala Ala Glu Trp Leu Thr Leu Gly Leu Asn Met Pro
130 65          70          75          80
132 Leu Leu Ala Tyr His Ile Trp Arg Tyr Met Ser Arg Pro Val Met Ser
133          85          90          95
135 Gly Pro Gly Leu Tyr Asp Pro Thr Thr Ile Met Asn Ala Asp Ile Leu
136          100          105          110
138 Ala Tyr Cys Gln Lys Glu Gly Trp Cys Lys Leu Ala Phe Tyr Leu Leu
139          115          120          125

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141 Ala Phe Phe Tyr Tyr Leu Tyr Gly Met Ile Tyr Val Leu Val Ser Ser
142      130                      135                      140
144 <210> SEQ ID NO: 5
145 <211> LENGTH: 282
146 <212> TYPE: PRT
147 <213> ORGANISM: Homo sapiens
149 <400> SEQUENCE: 5
150 Met Ser Gly Gly Trp Met Ala Gln Val Gly Ala Trp Arg Thr Gly Ala
151 1      5      10      15
153 Leu Gly Leu Ala Leu Leu Leu Leu Leu Gly Leu Gly Leu Gly Leu Glu
154      20      25      30
156 Ala Ala Ala Ser Pro Leu Ser Thr Pro Thr Ser Ala Gln Ala Ala Gly
157      35      40      45
159 Pro Ser Ser Gly Ser Cys Pro Pro Thr Lys Phe Gln Cys Arg Thr Ser
160      50      55      60
162 Gly Leu Cys Val Pro Leu Thr Trp Arg Cys Asp Arg Asp Leu Asp Cys
163 65      70      75      80
165 Ser Asp Gly Ser Asp Glu Glu Glu Cys Arg Ile Glu Pro Cys Thr Gln
166      85      90      95
168 Lys Gly Gln Cys Pro Pro Pro Gly Leu Pro Cys Pro Cys Thr Gly
169      100     105     110
171 Val Ser Asp Cys Ser Gly Gly Thr Asp Lys Lys Leu Arg Asn Cys Ser
172      115     120     125
174 Arg Leu Ala Cys Leu Ala Gly Glu Leu Arg Cys Thr Leu Ser Asp Asp
175      130     135     140
177 Cys Ile Pro Leu Thr Trp Arg Cys Asp Gly His Pro Asp Cys Pro Asp
178 145     150     155     160
180 Ser Ser Asp Glu Leu Gly Cys Gly Thr Asn Glu Ile Leu Pro Glu Gly
181      165     170     175
183 Asp Ala Thr Thr Met Gly Pro Pro Val Thr Leu Glu Ser Val Thr Ser
184      180     185     190
186 Leu Arg Asn Ala Thr Thr Met Gly Pro Pro Val Thr Leu Glu Ser Val
187      195     200     205
189 Pro Ser Val Gly Asn Ala Thr Ser Ser Ser Ala Gly Asp Gln Ser Gly
190      210     215     220
192 Ser Pro Thr Ala Tyr Gly Val Ile Ala Ala Ala Val Leu Ser Ala
193 225     230     235     240
195 Ser Leu Val Thr Ala Thr Leu Leu Leu Leu Ser Trp Leu Arg Ala Gln
196      245     250     255
198 Glu Arg Leu Arg Pro Leu Gly Leu Leu Val Ala Met Lys Glu Ser Leu
199      260     265     270
201 Leu Leu Ser Glu Gln Lys Thr Ser Leu Pro
202      275     280
204 <210> SEQ ID NO: 6
205 <211> LENGTH: 100
206 <212> TYPE: PRT
207 <213> ORGANISM: Homo sapiens
209 <400> SEQUENCE: 6
210 Met Gly Asp Asp Gly Ser Ile Asp Tyr Thr Val His Glu Ala Trp Asn

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211      1              5              10              15
213 Glu Ala Thr Asn Val Tyr Leu Ile Val Ile Leu Val Ser Phe Gly Leu
214              20              25              30
216 Phe Met Tyr Ala Lys Arg Asn Lys Arg Arg Ile Met Arg Ile Phe Ser
217              35              40              45
219 Val Pro Pro Thr Glu Glu Thr Leu Ser Glu Pro Asn Phe Tyr Asp Thr
220              50              55              60
222 Ile Ser Lys Ile Arg Leu Arg Gln Gln Leu Glu Met Tyr Ser Ile Ser
223      65              70              75              80
225 Arg Lys Tyr Asp Tyr Gln Gln Pro Gln Asn Gln Ala Asp Ser Val Gln
226              85              90              95
228 Leu Ser Leu Glu
229              100
231 <210> SEQ ID NO: 7
232 <211> LENGTH: 225
233 <212> TYPE: PRT
234 <213> ORGANISM: Homo sapiens
236 <400> SEQUENCE: 7
237 Met Gly Thr Ala Asp Ser Asp Glu Met Ala Pro Glu Ala Pro Gln His
238      1              5              10              15
240 Thr His Ile Asp Val His Ile His Gln Glu Ser Ala Leu Ala Lys Leu
241              20              25              30
243 Leu Leu Thr Cys Cys Ser Ala Leu Arg Pro Arg Ala Thr Gln Ala Arg
244              35              40              45
246 Gly Ser Ser Arg Leu Leu Val Ala Ser Trp Val Met Gln Ile Val Leu
247              50              55              60
249 Gly Ile Leu Ser Ala Val Leu Gly Gly Phe Phe Tyr Ile Arg Asp Tyr
250      65              70              75              80
252 Thr Leu Leu Val Thr Ser Gly Ala Ala Ile Trp Thr Gly Ala Val Ala
253              85              90              95
255 Val Leu Ala Gly Ala Ala Ala Phe Ile Tyr Glu Lys Arg Gly Gly Thr
256              100              105              110
258 Tyr Trp Ala Leu Leu Arg Thr Leu Leu Ala Leu Ala Ala Phe Ser Thr
259              115              120              125
261 Ala Ile Ala Ala Leu Lys Leu Trp Asn Glu Asp Phe Arg Tyr Gly Tyr
262              130              135              140
264 Ser Tyr Tyr Asn Ser Ala Cys Arg Ile Ser Ser Ser Ser Asp Trp Asn
265      145              150              155              160
267 Thr Pro Ala Pro Thr Gln Ser Pro Glu Glu Val Arg Arg Leu His Leu
268              165              170              175
270 Cys Thr Ser Phe Met Asp Met Leu Lys Ala Leu Phe Arg Thr Leu Gln
271              180              185              190
273 Ala Met Leu Leu Gly Val Trp Ile Leu Leu Leu Leu Ala Ser Leu Ala
274              195              200              205
276 Pro Leu Trp Leu Tyr Cys Trp Arg Met Phe Pro Thr Lys Gly Val Ser
277      210              215              220
279 Pro
280 225
282 <210> SEQ ID NO: 8

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Input Set : A:\seqlist.txt

Output Set: N:\CRF3\03292001\I622522.raw

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283 <211> LENGTH: 387
284 <212> TYPE: DNA
285 <213> ORGANISM: Homo sapiens
287 <400> SEQUENCE: 8
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289 agacaaaaga aagaggagag caccgaagaa gtgaaaatag aagttttgca tcgtccagaa      120
290 aactgctcta agacaagcaa gaagggagac ctactaaatg cccattatga cggtacacgt      180
291 gctaaagacg gctcgaaatt ctactgcagc cggacacaaa atgaaggcca cccaaatgg      240
292 tttgttcttg gtgttgggca agtcataaaa ggcctagaca ttgctatgac agatatgtgc      300
293 cctggagaaa agcgaaaagt agttataccc ccttcatttg catacggaag ggaaggctat      360
294 gataaacctc tacttgcaaa gggaatt      387
296 <210> SEQ ID NO: 9
297 <211> LENGTH: 405
298 <212> TYPE: DNA
299 <213> ORGANISM: Homo sapiens
301 <400> SEQUENCE: 9
302 atggtgctgg agagcgtggc cgtatcgtg aaggtgcagc tccctgcata tctgaagcgg      60
303 ctcccagtcg ctgaaagcat tacccgggttc gctaggetca cagtttcaga atggcttcgg      120
304 ttattgcctt tccttgggtg actcgcaact cttggctacc ttgcagttcg tccattcctc      180
305 ccgaagaaga aacaacagaa ggatagcttg attaatctta aaatacaaaa ggaaatccg      240
306 aaagtagtga atgaaataaa cattgaagat ttgtgtctta ctaaagcagc ttattgtagg      300
307 tgttggcggt ctaaaacggt tcctgcctgc gatggttcac ataataaaca caatgaattg      360
308 acaggagata atgtgggtcc actaatactg aagaagaaag aagta      405
310 <210> SEQ ID NO: 10
311 <211> LENGTH: 237
312 <212> TYPE: DNA
313 <213> ORGANISM: Homo sapiens
315 <400> SEQUENCE: 10
316 atgccggtgg ccgtgggtcc ctacggacag tccagccaa gctgcttcga ccgtgtcaaa      60
317 atgggcttcg tgatgggttg cgcggtgggc atggcgccg gggcgctctt cggcaccttt      120
318 tcctgtctca ggatcggaat gcggggtcga gagctgatgg gcggcattgg gaaaaccatg      180
319 atgcagagtg gcggcacctt tggcacattc atggccattg ggatgggcat ccgatgc      237
321 <210> SEQ ID NO: 11
322 <211> LENGTH: 432
323 <212> TYPE: DNA
324 <213> ORGANISM: Homo sapiens
326 <400> SEQUENCE: 11
327 atggcggtca cgttcgcggc cttctgctac atgctggcgc tgetgctcac tgccgcgctc      60
328 atcttcttcg ccatttggca cattatagca tttgatgagc tgaagactga ttacaagaat      120
329 cctatagacc agtgaatac cctgaatccc cttgtactcc cagagtacct catccacgct      180
330 ttcttctgtg tcatgtttct ttgtgcagca gactggctta cactgggtct caatatgccc      240
331 ctcttggcat atcatatttg gaggtatatg agtagaccag tgatgagtgg ccaggactc      300
332 tatgacccta caaccatcat gaatgcagat attctagcat attgtcagaa ggaaggatgg      360
333 tgcaaattag ctttttatct tctagcattt ttttactacc tatatggcat gatctatgtt      420
334 ttggtgagct ct      432
336 <210> SEQ ID NO: 12
337 <211> LENGTH: 846
338 <212> TYPE: DNA
339 <213> ORGANISM: Homo sapiens

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VERIFICATION SUMMARY

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Input Set : A:\seqlist.txt

Output Set: N:\CRF3\03292001\I622522.raw

L:13 M:270 C: Current Application Number differs, Replaced Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date